Irrigation Benchmark Inventory Worksheet Instructions

Notice to Conservationist:

- Irrigation water management is not a primary eligibility factor for TEIR I or TEIR II participation. However, irrigation water use efficiency is an enhancement activity option which could be carried out on cropland and or pastureland under a TEIR I or TIER II contract.

- For TEIR III participation, irrigation water management – water quantity quality criteria must be met. For TEIR III participation, the minimum requirement for water quantity quality criteria - irrigation water management on cropland or pastureland is considered achieved when the current level of treatment results in a water use efficiency value of at least 50%.

- To determine water use efficiency for enhancement activity level or TEIR III eligibility, use the CSP IWM Enhancement Rating Tool. The following Irrigation Benchmark Inventory Worksheet when completed by the applicant will provide information needed to determine the water use efficiency rating.

United States Department of Agriculture
NRCS Natural Resources Conservation Service

TIER III SELF ASSESSMENT FOR IRRIGATED CROPLAND

(CSP) January 2005

Irrigated Cropland, Pasture Inventory Worksheet

To CSP Applicant:_____(Applicant Name)

For those cropland and or pastureland acres you wish to enroll in CSP that are irrigated, please complete the following Irrigation Inventory Worksheet. If you do not irrigate your cropland, you do not need to complete this worksheet. This information will help us with assessing the benchmark condition for these land uses.

1. What type of irrigation system do you use on your farm? Place an ☒ next to your selection.

- ☐ Sub-irrigation - sub-irrigated
- ☐ Sprinkler - Big Gun or Boom
- ☐ Sprinkler - Hand line or wheel line
- ☐ Sprinkler - Solid set (above canopy)
- ☐ Sprinkler - solid set (below canopy)
- ☐ Center Pivot
- ☐ Center Pivot (LEPA)
- ☐ Center Pivot (LESA)
- ☐ Center Pivot (LPIC)
- ☐ Center Pivot (MESA)
- ☐ Lateral Move
- ☐ Micro, Point source
- ☐ Micro, Sprays
- ☐ Micro, Continuous Tape
- ☐ Micro, SDI
- ☐ Other (Please Explain)

2. How do you measure the amount of water being delivered to your farm? Place an ☒ next to your selection .

- ☐ No flow measuring devices
- ☐ Flow measurement - whole farm - manually recorded
- ☐ Flow measurement - whole farm - automatic recorded
- ☐ Flow measurement - whole farm plus individual field manual
- ☐ Flow measurement - whole farm plus individual field automatic recorded
- ☐ Other (Please Explain)

3. How do you schedule irrigation? Place an ☒ next to your selection.

- ☐ Visual crop stress
- ☐ Soil moisture by NRCS feel method
- ☐ Check book scheduling, irrigation scheduler, etc
- ☐ Irrigation scheduling via pan evaporation or atmometer for field
- ☐ Irrigation scheduling via regional weather network
- ☐ Soil moisture using Gypsum blocks, moisture probe, etc

☐Continuous measurement of soil moisture, water applied and ET
☐Other (Please Explain)

4. How is the water conveyed to your farm? Place an ☒ next to your selection.

☐Very poor diversion facilities. Little control of flow rate to farm.
☐Can control flow rates to farm, but the on-farm delivery system is such that it is very hard to deliver the desired flow to any given field.
☐Flow rates to each field are adequately controlled. Flow rates to each set are difficult to control.
☐All flow rates to each set are adequately controlled.
☐Other (Please Explain)

5. How is the water conveyed to fields? Place an ☒ next to your selection.

☐Open ditch or canal - sand/gravel
☐Open ditch or canal - sandy loam
☐Open ditch or canal - clay soil
☐Open canal - lined
☐Closed conduit pipeline
☐Other (Please Explain)

6. What is the average condition of irrigated fields with regard to grade and slope? Place an ☒ next to your selection.

☐Land smoothed
☐Land leveled
☐Land precision leveled
☐Land precision leveled - slope <= .005
☐A sprinkler system is utilized
☐Other (Please Explain)

7. Do you capture tail-water and reuse it? Place an ☒ next to your selection.

☐none
☐25% irrigation runoff captured and reused
☐50% irrigation runoff captured and reused
☐75% irrigation runoff capture and reused
☐100% irrigation runoff capture and reused

Certification Statement

The above information is correct to the best of my knowledge. I understand that if requested, I can provide a minimum of two years of documentation to support the information provided above.

Name:_____ Date: _____